Adventures in Aeronautics
2009 Mathematics
Standards of Learning

Virginia Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	VA	MA.3.3.1.c	The student will compare two whole numbers between 0 and 9,999, using symbols (>, <, or =) and words (greater than, less than, or equal to)
Adventures in Aeronautics	VA	MA.3.3.4	The student will estimate solutions to and solve single-step and multistep problems involving the sum or difference of two whole numbers, each 9,999 or less, with or without regrouping.
Adventures in Aeronautics	VA	MA.3.3.6	The student will represent multiplication and division, using area, set, and number line models, and create and solve problems that involve multiplication of two whole numbers, one factor 99 or less and the second factor 5 or less.
Adventures in Aeronautics	VA	MA.3.3.8	The student will determine, by counting, the value of a collection of bills and coins whose total value is $5.00 or less, compare the value of the bills and coins, and make change.
Adventures in Aeronautics	VA	MA.3.3.9.c	The student will estimate and use U.S. Customary and metric units to measure weight/mass in ounces, pounds, grams, and kilograms; and
Adventures in Aeronautics	VA	MA.3.3.11.b	The student will determine elapsed time in one-hour increments over a 12-hour period

Adventures in Aeronautics
2009 Mathematics
Standards of Learning

Virginia Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	VA	MA.4.4.1.b	The student will compare two whole numbers expressed through millions, using symbols (>, <, or =); and
Adventures in Aeronautics	VA	MA.4.4.4.a	The student will estimate sums, differences, products, and quotients of whole numbers
Adventures in Aeronautics	VA	MA.4.4.4.b	The student will add, subtract, and multiply whole numbers
Adventures in Aeronautics	VA	MA.4.4.4.d	The student will solve single-step and multistep addition, subtraction, and multiplication problems with whole numbers
Adventures in Aeronautics	VA	MA.4.4.6.a	The student will estimate and measure weight/mass and describe the results in U.S. Customary and metric units as appropriate; and
Adventures in Aeronautics	VA	MA.4.4.9	The student will determine elapsed time in hours and minutes within a 12-hour period.

	Adventures in Aeronautics		
	2009 Mathematics		
	Standards of Learning		
Virginia Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	VA	MA.5.5.4	The student will create and solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division with and without remainders of whole numbers.
Adventures in Aeronautics	VA	MA.5.5.7	The student will evaluate whole number numerical expressions, using the order of operations limited to parentheses, addition, subtraction, multiplication, and division.
Adventures in Aeronautics	VA	MA.5.5.10	The student will determine an amount of elapsed time in hours and minutes within a 24-hour period.
Adventures in Aeronautics	VA	MA.5.5.18.c	The student will model one-step linear equations in one variable, using addition and subtraction; and